

CORPORATE SOURCE: G.
 SOURCE: State Univ. of New York, Buffalo, N. Y., USA
 Anal. Biochem. (1969), 31, 399-404
 CODEN: ANBCA2
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L9 ANSWER 67 OF 67 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1964:38909 CAPLUS
 DOCUMENT NUMBER: 60:38909
 ORIGINAL REFERENCE NO.: 60:6881a-d
 TITLE: Structure of grifolin, an antibiotic from a
 basidiomycete
 AUTHOR(S): Goto, Toshio; Kakisawa, Hiroshi; Hirata, Yoshimasa
 CORPORATE SOURCE: Univ. Nagoya, Japan
 SOURCE: Tetrahedron (1963), 19(12), 2079-83
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable

=> d his

(FILE 'HOME' ENTERED AT 18:27:08 ON 10 MAR 2002)

FILE 'REGISTRY' ENTERED AT 18:27:18 ON 10 MAR 2002

L1 0 S 5 AMINOLEVULINIC ACID/CN
 L2 1 S AMINOLEVULINIC ACID/CN

FILE 'EMBASE, USPATFULL, CAPLUS, BIOSIS' ENTERED AT 18:27:58 ON 10 MAR 2002

L3 18221 S L2 OR (AMINOLEVULINIC ACID) OR ALADERM OR LEVULINIC
 L4 185966 S TINEA OR FUNGUS
 L5 68 S L3 AND L4
 E ONYCHOMYCOSIS
 E ONYCHOMYCOSIS/CT
 E E3 + ALL
 E E3 + AT

FILE 'EMBASE' ENTERED AT 18:31:18 ON 10 MAR 2002

E E3 + ALL

FILE 'USPATFULL, EMBASE, CAPLUS, BIOSIS' ENTERED AT 18:32:08 ON 10 MAR 2002

E ONYCHOMYCOSIS/CT
 L6 1800 S E2-E18
 L7 2248 S L6 OR ONYCHOMYCOSIS OR (NAIL (10W) MYCOSIS) OR (NAIL (20W) F
 L8 1 S L3 AND L7
 L9 67 DUPLICATE REMOVE L5 (1 DUPLICATE REMOVED)

L8 ANSWER 1 OF 1 USPATFULL
 AN 2000:91943 USPATFULL
 TI Phototherapy based method for treating pathogens and composition for effecting same
 IN Lurie, Raz, Tel Aviv, Israel
 PA Dermatolazer Technologies Ltd., Tel Aviv, Israel (non-U.S. corporation)
 PI US 6090788 20000718
 AI US 1999-343199 19990630 (9)
 RLI Continuation of Ser. No. WO 1998-US14162, filed on 13 Jul 1998
 DT Utility
 FS Granted
 LN.CNT 1076
 INCL INCLM: 514/023.000
 INCLS: 427/595.000; 427/596.000; 606/002.000; 606/003.000
 NCL NCLM: 514/023.000
 NCLS: 427/595.000; 427/596.000; 606/002.000; 606/003.000
 IC [7]
 ICM: A61K031-70
 EXF 514/23; 514/557; 427/78.04; 427/595; 427/596; 606/2; 606/3
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L8 ANSWER 1 OF 1 USPATFULL
 SUMM . . . for effecting same. More particularly, the present invention relates to a laser based method and a pharmaceutical composition for treating **nail** and skin associated pathogens, such as **fungi**, yeast, bacteria, and viruses which cause nail and skin infections.
 SUMM Onychomycosis is a general infection of the **nail** unit caused by **fungal** microorganisms such as dermatophytes, yeasts, and nondermatophyte molds. The term tinea unguium refers to dermatophytic infection of a nail unit.
 SUMM Onychomycosis occurs worldwide and its incidence has been steadily increasing [Daniel (1991) The diagnosis of **nail fungal** infection. Arch. Dermatol. 127:1566-1567]. Nail disorders comprise approximately 10% of all dermatologic conditions [Farmer et al. (1996) Guidelines of care for **nail** disorders. J. Am. Acad. Dermatol. 34:329-533]. Up to 50% of all **nail** disorders are caused by **fungal** infections [Achten and Wanet-Rouard (1978) Onychomycosis in the laboratory. Mykosen 23:125-127; and Andre and Achten (1987) Onychomycosis. Int. J. Dermatol.. . .
 SUMM With reference to FIG. 1, presented is a human toe nail having a plate 10 a **nail** bed 12 and a matrix or growth origin 14. There are four major types of **fungal** nail infections: distal subungual onychomycosis (DSO), proximal subungual onychomycosis (PSO), white superficial onychomycosis (SFO) and Candida onychomycosis (CAN). The affected regions are marked in FIG. 1. Each of the four types of fungal **nail** infections is differentiated on the basis of the pattern of **fungal** invasion into the nail plate and by the causative pathogen.
 SUMM Nonpharmacological approaches: Various nonpharmacological approaches are used to manage **nail fungal** infections, including buffing or filing of the nails, nail avulsion or debridement, and the use of surgery and/or various chemicals. . .
 DETD . . . infections. Specifically, the present invention can be used for

treating pathogens, such as, fungi, yeast, bacteria and viruses which cause **nail** and skin infections. In particular, the present invention can be used for treating onychomycosis caused, for example,

by

Trichophyton rubrum, **fungal** skin infections, such as, tinea corporis, tinea capitis, tinea barbae, tinea facie (of the face), tinea pedis, tinea manum, tinea. . .

CLM

What is claimed is:

1. A method for treating an area of skin or **nail** infected with a **fungal** pathogen, the method comprising the steps of causing said **fungal** pathogen to include a light absorbing substance and irradiating the area of skin or nail with a light beam having. .

IT 50-99-7, Dextrose, biological studies 57-13-6, Urea, biological studies

61-73-4, Methylene blue 69-72-7, Salicylic acid, biological studies

76-59-5, Bromthymol blue 83-88-5, Riboflavin, biological studies

85-83-6, Scarlet red 88-89-1, Picric acid 92-84-2D, Phenothiazine,

derivs. 106-60-5, 5-Aminolevulinic acid 115-40-2, Bromcresol

purple 143-74-8, Phenol red 314-13-6, Evans blue 479-61-8D,

derivs.

502-65-8, Lycopene 569-61-9, Pararosaniline chloride 574-93-6,

Phthalocyanine 633-03-4, Brilliant green 2030-63-9, Clofazimine

2412-14-8, Thiopyronin 4197-24-4 7439-89-6, Iron, biological studies

7439-89-6D, Iron, salts 7439-97-6, Mercury, biological studies

7440-22-4, Silver, biological studies 7440-50-8, Copper, biological

studies 7440-57-5, Gold, biological studies 7440-66-6, Zinc,

biological studies 7440-69-9, Bismuth, biological studies 7664-93-9,

Sulfuric acid, biological studies 9005-65-6, Tween 80 10118-90-8,

Minocycline 14320-04-8D, Zinc phthalocyanine, derivs. 19660-77-6,

Chlorin e6 25550-58-7, Dinitrophenol 37251-80-2, Toluidine blue

39378-61-5, Bromcresol 51811-82-6, Giemsa's stain 110230-98-3

122341-38-2

(phototherapy-based method and compn. for treating pathogens)

L9 ANSWER 1 OF 67 USPATFULL

ACCESSION NUMBER: 2001:155439 USPATFULL
TITLE: Photochemotherapeutic method using 5-
aminolevulinic acid and other
precursors of endogenous porphyrins
INVENTOR(S): Kennedy, James C., Kingston, Canada
Pottier, Roy H., Kingston, CA, United States
Reid, Robert L., Kingston, Canada
Sac-Morales, Arnold, Kingston, Canada
Tomalty, Lewis L., Inverary, Canada

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001021370	A1	20010913
APPLICATION INFO.:	US 2001-816329	A1	20010326 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-293835, filed on 19 Apr 1999, PENDING Continuation-in-part of Ser. No. US 1993-82113, filed on 28 Jun 1993, GRANTED, Pat. No. US 5422093 Continuation-in-part of Ser. No. US 1992-865151, filed on 8 Apr 1992, GRANTED, Pat. No. US 5234940 Continuation-in-part of Ser. No. US 1991-783750, filed on 28 Oct 1991, GRANTED, Pat. No.		
US	5211938 Continuation of Ser. No. US 1989-386414, filed on 28 Jul 1989, GRANTED, Pat. No. US 5079262		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Thomas MacAllister, FOLEY & LARDNER, Washington Harbour, 3000 K Street, N.W., Suite 500, Washington, DC, 20007-5109		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Page(s)		
LINE COUNT:	1285		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 2 OF 67 USPATFULL

ACCESSION NUMBER: 2001:235112 USPATFULL
TITLE: Bioprocess for the high-yield production of food
flavor-acceptable jasmonic acid and methyl jasmonate
INVENTOR(S): Farbood, Mohamad I., State College, PA, United States
Blocker, Robert W., Brick, NJ, United States
McLean, Lynda B., Matawan, NJ, United States
Sprecker, Mark A., Sea Bright, NJ, United States
McLean, Michael P., Matawan, NJ, United States
Kossiakoff, Nicolas, Les Arcs sur Argens, France
Kim, Augustine Yonghwi, Morganville, NJ, United States
Hagedorn, Myrna, Woodland Park, CO, United States
PATENT ASSIGNEE(S): International Flavors & Fragrances Inc., New York, NY,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6333180	B1	20011225
APPLICATION INFO.:	US 1999-468134		19991221 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Lankford, Jr., Leon B.		
LEGAL REPRESENTATIVE:	Leightner, Joseph P.		

NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 25 Drawing Figure(s); 22 Drawing Page(s)
LINE COUNT: 1944
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 3 OF 67 USPATFULL

ACCESSION NUMBER: 2001:178846 USPATFULL
TITLE: Recombinant methods and materials for producing
epothilones C and D
INVENTOR(S): Julien, Bryan, Oakland, CA, United States
Katz, Leonard, Hayward, CA, United States
Khosla, Chaitan, Palo Alto, CA, United States
Tang, Li, Foster City, CA, United States
PATENT ASSIGNEE(S): Kason Biosciences, Inc., Hayward, CA, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6303342	B1	20011016
APPLICATION INFO.:	US 1999-443501		19991119 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-130560	19990422 (60)
	US 1999-122620	19990303 (60)
	US 1999-119386	19990210 (60)
	US 1998-109401	19981120 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Achutamurthy, Ponnathapu	
ASSISTANT EXAMINER:	Kerr, Kathleen	
LEGAL REPRESENTATIVE:	Kaster, Esq., Kevin, Murashige, Esq., Kate, Favorito, Esq., Carolyn	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 8 Drawing Page(s)	
LINE COUNT:	5366	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 4 OF 67 USPATFULL

ACCESSION NUMBER: 2001:173785 USPATFULL
TITLE: Cytochrome P450 monooxygenases
INVENTOR(S): Halkier, Barbara Ann, Copenhagen K., Denmark
Bak, Soren, Copenhagen N., Denmark
Kahn, Rachel Alice, Copenhagen K., Denmark
Moller, Birger Lindberg, Bronshoj, Denmark
PATENT ASSIGNEE(S): Syngenta Participations AG, Basel, Switzerland
(non-U.S. corporation)
Royal Veterinary and Agricultural University,
Copenhagen, Denmark (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6300544	B1	20011009
	WO 9840470		19980917
APPLICATION INFO.:	US 1999-380420		19991112 (9)
	WO 1998-EP1253		19980305
			19991112 PCT 371 date
			19991112 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1997-810132	19970307
	DE 1997-810954	19971208
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Bui, Phuong T.	
LEGAL REPRESENTATIVE:	Meigs, J. Timothy	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1722	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 5 OF 67 USPATFULL

ACCESSION NUMBER: 2001:131342 USPATFULL
 TITLE: Conjugates of dithiocarbamate disulfides with pharmacologically active agents and uses therefor
 INVENTOR(S): Lai, Ching-San, Encinitas, CA, United States
 Vassilev, Vassil P., San Diego, CA, United States
 Wang, Tingmin, San Marcos, CA, United States
 PATENT ASSIGNEE(S): Medinox, Inc., San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6274627	B1	20010814
APPLICATION INFO.:	US 1999-416619		19991012 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Weddington, Kevin E.		
LEGAL REPRESENTATIVE:	Reiter, Stephen E.Foley & Lardner		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	2173		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 6 OF 67 USPATFULL

ACCESSION NUMBER: 2001:107446 USPATFULL
 TITLE: Prodrugs activated by targeted catalytic proteins
 INVENTOR(S): von Borstel, Reid, Potomac, MD, United States
 Casadei, Jan M., Bethesda, MD, United States
 Kamireddy, Balreddy, Rockville, MD, United States
 Kenten, John Henry, Gaithersburg, MD, United States
 Martin, Mark T., Germantown, MD, United States
 Massey, Richard J., Rockville, MD, United States
 Napper, Andrew D., Natick, MA, United States
 Simpson, David M., Adelphia, MD, United States
 Smith, Rodger G., Jefferson, MD, United States
 Titmas, Richard C., Rockville, MD, United States
 Williams, Richard O., Potomac, MD, United States
 PATENT ASSIGNEE(S): IGEN International, Inc., Gaithersburg, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6258360	B1	20010710
APPLICATION INFO.:	US 1994-325554		19941018 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1991-773042, filed on 10		

Oct 1991, now abandoned Continuation-in-part of Ser. No. US 1991-740501, filed on 5 Aug 1991, now abandoned Continuation-in-part of Ser. No. US 1998-190271, filed on 4 May 1998, now abandoned, said Ser. No. US 325554 Continuation-in-part of Ser. No. US 1991-700210, filed on 12 Jun 1991, now abandoned Continuation-in-part of Ser. No. WO 1989-US1951, filed on 4 May 1989 Continuation-in-part of Ser. No. US 1990-498225, filed on 23 Mar 1990, now patented, Pat. No. US 5229272

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Wortman, Donna C.
LEGAL REPRESENTATIVE: Evans, Esq., BarryKramer Levin Naftalis & Frankel LLP
NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 45 Drawing Figure(s); 37 Drawing Page(s)
LINE COUNT: 5556
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 7 OF 67 USPATFULL

ACCESSION NUMBER: 2000:95042 USPATFULL
TITLE: Therapeutic methods employing disulfide derivatives of dithiocarbamates and compositions useful therefor
INVENTOR(S): Lai, Ching-San, Encinitas, CA, United States
Vassilev, Vassil, San Diego, CA, United States
PATENT ASSIGNEE(S): Medinox Inc., San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6093743		20000725
APPLICATION INFO.:	US 1998-103639		19980623 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Weddington, Kevin E.		
LEGAL REPRESENTATIVE:	Gary Cary Ware & Freidenrich, Reiter, Stephen E., Kirschenbaum, Shelia R.		
NUMBER OF CLAIMS:	51		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 5 Drawing Page(s)		
LINE COUNT:	2691		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 67 USPATFULL

ACCESSION NUMBER: 2000:91943 USPATFULL
TITLE: Phototherapy based method for treating pathogens and composition for effecting same
INVENTOR(S): Lurie, Raz, Tel Aviv, Israel
PATENT ASSIGNEE(S): Dermatolazer Technologies Ltd., Tel Aviv, Israel (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6090788		20000718
APPLICATION INFO.:	US 1999-343199		19990630 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 1998-US14162, filed on 13 Jul 1998		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Peselev, Elli		

LEGAL REPRESENTATIVE: Friedman, Mark M.
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 1076
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 67 USPATFULL

ACCESSION NUMBER: 2000:77470 USPATFULL
TITLE: Preparation of lactams from aliphatic
.alpha..omega.-dinitriles
INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States
Fallon, Robert Donald, Elkton, MD, United States
Gavagan, John Edward, Wilmington, DE, United States
Herkes, Frank Edward, Wilmington, DE, United States
PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6077955		20000620
APPLICATION INFO.:	US 1998-108728		19980701 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-650073, filed on 17 May 1996, now patented, Pat. No. US 5858736		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Richter, Johann		
ASSISTANT EXAMINER:	Murray, Joseph		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2192		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 10 OF 67 USPATFULL

ACCESSION NUMBER: 2000:64854 USPATFULL
TITLE: Non-iron metalloporphyrins and methods of use
INVENTOR(S): Stojiljkovic, Igor, Atlanta, GA, United States
Churchward, Gordon G., Atlanta, GA, United States
PATENT ASSIGNEE(S): Emory University, Atlanta, GA, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6066628		20000523
APPLICATION INFO.:	US 1998-5373		19980109 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-35079	19970109 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Raymond, Richard L.	
ASSISTANT EXAMINER:	Sripada, Pavanaram K	
LEGAL REPRESENTATIVE:	Greenlee, Winner and Sullivan, P.C.	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	1083	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 11 OF 67 USPATFULL

ACCESSION NUMBER: 2000:64716 USPATFULL
TITLE: Nitrilase-producing acidovorax facilis
INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States
Fallon, Robert Donald, Elkton, MD, United States
Gavagan, John Edward, Wilmington, DE, United States
Herkes, Frank Edward, Wilmington, DE, United States
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Company, Wilmington, DE,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6066490		20000523
APPLICATION INFO.:	US 1997-987938		19971210 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-650073, filed on 17 May 1996, now patented, Pat. No. US 5858736		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lankford, Jr., Leon B.		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2162		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 12 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 2001000333 EMBASE
TITLE: .delta.-Aminolaevulinic acid modulates the resistance to fluconazole in a hem 1 mutant of Saccharomyces cerevisiae [6].
AUTHOR: Kontoyiannis D.P.; May G.S.
CORPORATE SOURCE: D.P. Kontoyiannis, Dept. Internal Medical Specialties, Section of Infectious Diseases, Univ. Texas M.D. Anderson Can. Ctr., 1515 Holcombe Boulevard, Houston, TX 77030, United States. dkontoyi@notes.mdacc.tmc.edu
SOURCE: Journal of Antimicrobial Chemotherapy, (2000) 46/6 (1044-1046).
Refs: 6
ISSN: 0305-7453 CODEN: JACHDX
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Letter
FILE SEGMENT: 004 Microbiology
037 Drug Literature Index
LANGUAGE: English

L9 ANSWER 13 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 2000441625 EMBASE
TITLE: Cloning of the Aspergillus oryzae 5-aminolevulinate synthase gene and its use as a selectable marker.
AUTHOR: Elrod S.L.; Jones A.; Berka R.M.; Cherry J.R.
CORPORATE SOURCE: S.L. Elrod, Biological Sciences Department, California Polytechnic State Univ., San Luis Obispo, CA 93407, United States. selrod@calpoly.edu
SOURCE: Current Genetics, (2000) 38/5 (291-298).
Refs: 39
ISSN: 0172-8083 CODEN: CUGED5
COUNTRY: Germany
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
LANGUAGE: English
SUMMARY LANGUAGE: English

L9 ANSWER 14 OF 67 USPATFULL

DUPLICATE 1

ACCESSION NUMBER: 1999:113776 USPATFULL
TITLE: Photochemotherapeutic method using 5-
aminolevulinic acid and other
precursors of endogenous porphyrins
INVENTOR(S): Kennedy, James C., Kingston, Canada
Pottier, Roy H., Kingston, Canada
Reid, Robert L., Kingston, Canada
Sac-Morales, Arnold, Kingston, Canada
Tomalty, Lewis L., Inverary, Canada
PATENT ASSIGNEE(S): Queen's University at Kingston, Kingston, Canada
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5955490		19990921
APPLICATION INFO.:	US 1995-465242		19950605 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-92925, filed on 19 Jul 1993, now abandoned And Ser. No. US 1993-82113, filed on 28 Jun 1993, now patented, Pat. No. US 5422093, issued on 6 Jun 1995 which is a continuation-in-part of Ser. No. US 1992-865151, filed on 8 Apr 1992, now patented, Pat. No. US 5234940, issued on 10 Aug 1993 which is a continuation-in-part of Ser. No. US 1991-783750, filed on 28 Oct 1991, now patented, Pat. No. US 5211938, issued on 18 May 1993 which is a continuation of Ser. No. US 1989-386414, filed on 28 Jul 1989, now patented, Pat. No. US 5079262, issued on 7 Jan 1992, said Ser. No. US 92925 which is a continuation of Ser. No. US 1992-865156, filed on 8 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-783750, filed on 28 Oct 1991, now patented, Pat. No. US 5211938		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hollinden, Gary E.		
LEGAL REPRESENTATIVE:	Foley & Lardner		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	1442		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 15 OF 67 USPATFULL

ACCESSION NUMBER: 1999:92827 USPATFULL
TITLE: Preparation of lactams from aliphatic .alpha.,
.omega.-dinitriles
INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States
Fallon, Robert Donald, Elkton, MD, United States
Gavagan, John Edward, Wilmington, DE, United States
Herkes, Frank Edward, Wilmington, DE, United States
PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE,
United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5936114		19990810
APPLICATION INFO.:	US 1998-108631		19980701 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-650073, filed on 17 May		

1996, now patented, Pat. No. US 5858736, issued on 12 Jan 1999

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Ramsuer, Robert W.
 ASSISTANT EXAMINER: Sackey, Ebenezer
 NUMBER OF CLAIMS: 1
 EXEMPLARY CLAIM: 1
 LINE COUNT: 2245
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 16 OF 67 USPATFULL

ACCESSION NUMBER: 1999:78594 USPATFULL
 TITLE: Preparation of lactams from aliphatic .alpha.,.omega.-Dinitiles
 INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States
 Fallon, Robert Donald, Elkton, MD, United States
 Gavagan, John Edward, Wilmington, DE, United States
 Herkes, Frank Edward, Wilmington, DE, United States
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5922589		19990713
APPLICATION INFO.:	US 1998-108729		19980701 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-650073, filed on 17 May 1996, now patented, Pat. No. US 5858736, issued on 12 Jan 1999		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lilling, Herbert J.		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2243		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 17 OF 67 USPATFULL

ACCESSION NUMBER: 1999:24130 USPATFULL
 TITLE: Silver implantable medical device
 INVENTOR(S): Ragheb, Anthony O., West Lafayette, IN, United States
 Bates, Brian L., Bloomington, IN, United States
 Fearnot, Neal E., West Lafayette, IN, United States
 Osborne, Thomas A., Bloomington, IN, United States
 Kozma, Thomas G., West Lafayette, IN, United States
 Roberts, Joseph W., Minneapolis, MN, United States
 Voorhees, III, William D., West Lafayette, IN, United States
 PATENT ASSIGNEE(S): Cook Incorporated, Bloomington, IN, United States
 (U.S. corporation)
 MED Institute, Inc., West Lafayette, IN, United States
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5873904		19990223
APPLICATION INFO.:	US 1997-803843		19970224 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-645646, filed on 16 May 1996 which is a continuation-in-part of Ser.		

No. US 1995-484532, filed on 7 Jun 1995, now patented,
 Pat. No. US 5609629

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Yu, Mickey
 ASSISTANT EXAMINER: Cuddihy, Francis K.
 LEGAL REPRESENTATIVE: Godlewski, Richard J.
 NUMBER OF CLAIMS: 28
 EXEMPLARY CLAIM: 25
 NUMBER OF DRAWINGS: 26 Drawing Figure(s); 8 Drawing Page(s)
 LINE COUNT: 1665
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 18 OF 67 USPATFULL
 ACCESSION NUMBER: 1999:4398 USPATFULL
 TITLE: Preparation of lactams from aliphatic
 .alpha.,.omega.-dinitriles
 INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States
 Fallon, Robert Donald, Elkton, MD, United States
 Gavagan, John Edward, Wilmington, DE, United States
 Herkes, Frank Edward, Wilmington, DE, United States
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE,
 United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5858736		19990112
APPLICATION INFO.:	US 1996-650073		19960517 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lilling, Herbert J.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2389		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 19 OF 67 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1999:388306 CAPLUS
 DOCUMENT NUMBER: 131:40545
 TITLE: Increased hemoprotein production by fungal mutants
 deficient in heme catabolic enzyme activity
 INVENTOR(S): Elrod, Susan L.
 PATENT ASSIGNEE(S): Novo Nordisk Biotech, Inc., USA
 SOURCE: PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9929874	A1	19990617	WO 1998-US25991	19981208
W:	AL, AU, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LU, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

AU 9918078 A1 19990628 AU 1999-18078 19981208
 EP 1038004 A1 20000927 EP 1998-962953 19981208
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI
 JP 2001526037 T2 20011218 JP 2000-524445 19981208
 PRIORITY APPLN. INFO.: US 1997-67886 P 19971208
 WO 1998-US25991 W 19981208
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L9 ANSWER 20 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 ACCESSION NUMBER: 1999:134658 BIOSIS
 DOCUMENT NUMBER: PREV199900134658
 TITLE: Asperillus oryzae 5-aminolevulinic acid
 synthases and nucleic acids encoding same.
 AUTHOR(S): Elrod, S. L.; Cherry, J. R.
 CORPORATE SOURCE: Davis, Calif. USA
 ASSIGNEE: NOVO NORDISK BIOTECH, INC.
 PATENT INFORMATION: US 5871991 Feb. 16, 1999
 SOURCE: Official Gazette of the United States Patent and Trademark
 Office Patents, (Feb. 16, 1999) Vol. 1219, No. 3, pp.
 2482.
 ISSN: 0098-1133.
 DOCUMENT TYPE: Patent
 LANGUAGE: English

L9 ANSWER 21 OF 67 USPATFULL
 ACCESSION NUMBER: 1998:119030 USPATFULL
 TITLE: Preparation of lactams from aliphatic
 .alpha.,.omega.-dinitriles
 INVENTOR(S): Di Cosimo, Robert, Rockland, DE, United States
 Fallon, Robert Donald, Elkton, MD, United States
 Gavagan, John Edward, Wilmington, DE, United States
 Herkes, Frank Edward, Wilmington, DE, United States
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE,
 United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5814508		19980929
APPLICATION INFO.:	US 9102604		19970813 (8)
RELATED APPLN. INFO.:	Division of Ser. No.		650073, filed on 17 May 1996
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lilling, Herbert J.		
NUMBER OF CLAIMS:	1		
EXEMPLARY CLAIM:	1		
LINE COUNT:	2271		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 22 OF 67 USPATFULL
 ACCESSION NUMBER: 1998:128103 USPATFULL
 TITLE: Method for enhancing the production of hemoproteins
 INVENTOR(S): Mattoon, James R., Colorado Springs, CO, United States
 Bajszar, George, Colorado Springs, CO, United States
 PATENT ASSIGNEE(S): University Technology Corporation, Boulder, CO, United
 States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 5824511 19981020
 APPLICATION INFO.: US 1995-509951 19950801 (8)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: McKelvey, Terry A.
 LEGAL REPRESENTATIVE: Sheridan Ross P.C.
 NUMBER OF CLAIMS: 16
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 8 Drawing Figure(s); 7 Drawing Page(s)
 LINE COUNT: 692
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 23 OF 67 USPATFULL

ACCESSION NUMBER: 1998:79375 USPATFULL
 TITLE: Substituted amic acid derivatives
 INVENTOR(S): Nomoto, Takashi, Tsukuba, Japan
 Hayashi, Masahiro, Tsukuba, Japan
 Shibata, Jun, Tsukuba, Japan
 Iwasawa, Yoshikazu, Tsukuba, Japan
 Mitsuya, Morihiro, Tsukuba, Japan
 Iida, Yoshiaki, Tsukuba, Japan
 Nonoshita, Katsumasa, Tsukuba, Japan
 Nagata, Yasufumi, Tsukuba, Japan
 PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5777150		19980707
APPLICATION INFO.:	US 1996-696152		19960813 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-540329, filed on 6 Oct 1995, now patented, Pat. No. US 5606101 which is a division of Ser. No. US 1995-471081, filed on 6 Jun 1995, now patented, Pat. No. US 5488149 which is a continuation of Ser. No. US 1994-193850, filed on 9 Feb 1994, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1993-47364	19930212
	JP 1993-261713	19930924
	JP 1993-261714	19930924
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Trinh, Ba K.	
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier & Neustadt, P.C.	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4780	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 24 OF 67 USPATFULL

ACCESSION NUMBER: 1998:51806 USPATFULL
 TITLE: Hydroxy containing alkyl glycamides, low foaming detergent compositions comprising such and a process for their manufacture
 INVENTOR(S): Vermeer, Robert, Nutley, NJ, United States
 Harichian, Bijan, South Orange, NJ, United States

PATENT ASSIGNEE(S): Lever Brothers Company, Division of Conopco, Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5750733		19980512
APPLICATION INFO.:	US 1996-689178		19960806 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Shah, Mukund J.		
ASSISTANT EXAMINER:	Ngo, Tamthom T.		
LEGAL REPRESENTATIVE:	Koatz, Ronald A.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	3217		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 25 OF 67 USPATFULL

ACCESSION NUMBER: 1998:19288 USPATFULL
TITLE: Fountain solution for lithographic printing
INVENTOR(S): Matsumoto, Hiroshi, Shizuoka, Japan
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Minami-Ashigara, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5720800		19980224
APPLICATION INFO.:	US 1996-659582		19960606 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1995-147625	19950614
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Klemanski, Helene	
LEGAL REPRESENTATIVE:	Burns, Doane, Swecker & Mathis, LLP	
NUMBER OF CLAIMS:	4	
EXEMPLARY CLAIM:	1	
LINE COUNT:	543	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 26 OF 67 USPATFULL

ACCESSION NUMBER: 97:73463 USPATFULL
TITLE: Catalytic antibody components
INVENTOR(S): Paul, Sudhir, 6824 S. 145th St., Omaha, NE, United States 68137
Powell, Michael J., 1024 Ocho Raos Dr., Danville, CA, United States 94526
Massey, Richard J., 5 Valerian Ct., Rockville, MD, United States 20852
Kenten, John H., 1921 Windjammer Way, Gaithersburg, MD,
United States 20879

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5658753		19970819
APPLICATION INFO.:	US 1995-402158		19950309 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-57491, filed on 4 May 1993, now abandoned which is a continuation of Ser. No.		

US 1990-498225, filed on 23 Mar 1990, now patented,
 Pat. No. US 5229272 which is a continuation-in-part of
 Ser. No. US 1989-343081, filed on 25 Apr 1989, now
 patented, Pat. No. US 5236836

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Patterson, Jr., Charles L.
 LEGAL REPRESENTATIVE: Ryan, John W., Igoe, Patrick J., Lemanowicz, John L.
 NUMBER OF CLAIMS: 34
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 19 Drawing Figure(s); 15 Drawing Page(s)
 LINE COUNT: 2305
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 27 OF 67 USPATFULL

ACCESSION NUMBER: 97:27388 USPATFULL
 TITLE: Substituted amic acid derivatives
 INVENTOR(S): Nomoto, Takashi, Tsukuba, Japan
 Hayashi, Masahiro, Tsukuba, Japan
 Shibata, Jun, Tsukuba, Japan
 Iwasawa, Yoshikazu, Tsukuba, Japan
 Mitsuya, Morihiro, Tsukuba, Japan
 Iida, Yoshiaki, Tsukuba, Japan
 Nonoshita, Katsumasa, Tsukuba, Japan
 Nagata, Yasufumi, Tsukuba, Japan
 PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Tokyo, Japan (non-U.S.
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5616803		19970401
APPLICATION INFO.:	US 1995-540628		19951006 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-471081, filed on 6 Jun 1995, now patented, Pat. No. US 5488149 which is a continuation of Ser. No. US 1994-193850, filed on 9 Feb 1994, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1993-47364	19930212
	JP 1993-261713	19930924
	JP 1993-261714	19930924
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Geist, Gary	
ASSISTANT EXAMINER:	Frazier, Barbara S.	
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier & Neustadt, P.C.	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4741	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 28 OF 67 USPATFULL

ACCESSION NUMBER: 97:16250 USPATFULL
 TITLE: Substitute amic acid derivatives
 INVENTOR(S): Nomoto, Takashi, Tsukuba, Japan
 Hayashi, Masahiro, Tsukuba, Japan
 Shibata, Jun, Tsukuba, Japan
 Iwasawa, Yoshikazu, Tsukuba, Japan

Mitsuya, Morihiro, Tsukuba, Japan
 Iida, Yoshiaki, Tsukuba, Japan
 Nonoshita, Katsumasa, Tsukuba, Japan
 Nagata, Yasufumi, Tsukuba, Japan
 PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5606101		19970225
APPLICATION INFO.:	US 1995-540329		19951006 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-471081, filed on 6 Jun 1995, now patented, Pat. No. US 5488149 which is a continuation of Ser. No. US 1994-193850, filed on 9 Feb 1994, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1993-47364	19930212
	JP 1993-261713	19930924
	JP 1993-261714	19930924
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Conrad, Joseph	
ASSISTANT EXAMINER:	Frazier, Barbara S.	
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier, & Neustadt, P.C.	
NUMBER OF CLAIMS:	6	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4734	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 29 OF 67 USPATFULL

ACCESSION NUMBER: 96:113826 USPATFULL
 TITLE: Method for obtaining antifungal and herbicidal compounds that target the first committed step in shingolipid long-chain base biosynthesis
 INVENTOR(S): Dickson, Robert C., Lexington, KY, United States
 Lester, Robert L., Lexington, KY, United States
 PATENT ASSIGNEE(S): The University of Kentucky Research Foundation, Lexington, KY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5583030		19961210
APPLICATION INFO.:	US 1994-365981		19941228 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-906899, filed on 30 Jun 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wax, Robert A.		
ASSISTANT EXAMINER:	Bugaisky, Gabriele E.		
LEGAL REPRESENTATIVE:	Lowe, Price, LeBlanc & Becker		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 11 Drawing Page(s)		
LINE COUNT:	1212		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 30 OF 67 USPATFULL

ACCESSION NUMBER: 96:9520 USPATFULL
TITLE: Substituted amic acid derivatives
INVENTOR(S): Nomoto, Takashi, Tsukuba, Japan
Hayashi, Masahiro, Tsukuba, Japan
Shibata, Jun, Tsukuba, Japan
Iwasawa, Yoshikazu, Tsukuba, Japan
Mitsuya, Morihiro, Tsukuba, Japan
Iida, Yoshiaki, Tsukuba, Japan
Nonoshita, Katsumasa, Tsukuba, Japan
Nagata, Yasufumi, Tsukuba, Japan
PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5488149		19960130
APPLICATION INFO.:	US 1995-471081		19950606 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-193850, filed on 9 Feb 1994, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1993-47364	19930212
	JP 1993-261713	19930924
	JP 1993-261714	19930924
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Shaver, Paul F.	
ASSISTANT EXAMINER:	Frazier, Barbara S.	
LEGAL REPRESENTATIVE:	Oblon, Spivak, McClelland, Maier, & Neustadt	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	4882	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L9 ANSWER 31 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1995:62359 BIOSIS
DOCUMENT NUMBER: PREV199598076659
TITLE: Selection of a high 5-aminolevulinic acid
-producing Rhodobacter sphaeroides mutant which is insensitive to yeast extract.
AUTHOR(S): Tanaka, Tohru (1); Watanabe, Keitarou; Nishikawa, Seiji; Hotta, Yasushi; Sasaki, Ken; Murooka, Yoshikatsu; Nagai, Shiro
CORPORATE SOURCE: (1) Cosmo Res. Inst. Co., 1134-2 Gongendo, Satte, Saitama 340-01 Japan
SOURCE: Seibutsu-Kogaku Kaishi, (1994) Vol. 72, No. 6, pp. 461-467.
ISSN: 0919-3758.
DOCUMENT TYPE: Article
LANGUAGE: Japanese
SUMMARY LANGUAGE: Japanese; English

L9 ANSWER 32 OF 67 USPATFULL
ACCESSION NUMBER: 93:109225 USPATFULL
TITLE: Octalactone-containing composition, fermentation process for producing same and organoleptic uses thereof
INVENTOR(S): Farbood, Mohamad I., Holmdel, NJ, United States

PATENT ASSIGNEE(S): McLean, Lynda B., Matawan, NJ, United States
 Morris, James A., Howell, NJ, United States
 Bondarovich, Henry A., Holmdel, NJ, United States
 International Flavors & Fragrances Inc., New York, NY,
 United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5274128		19931228
APPLICATION INFO.:	US 1992-887144		19920522 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1991-797055, filed on 25 Nov 1991, now patented, Pat. No. US 5166366 Division of Ser. No. US 1991-719154, filed on 21 Jun 1991, now patented, Pat. No. US 5112803, issued on 12 May 1992		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Reamer, James H.		
LEGAL REPRESENTATIVE:	Lieberman, Arthur L.		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	31 Drawing Figure(s); 28 Drawing Page(s)		
LINE COUNT:	1818		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 33 OF 67 USPATFULL

ACCESSION NUMBER: 93:59044 USPATFULL
 TITLE: Catalytic antibody components
 INVENTOR(S): Paul, Sudhir, Omaha, NE, United States
 Powell, Michael J., Gaithersburg, MD, United States
 Massey, Richard J., Rockville, MD, United States
 Kenten, John H., Gaithersburg, MD, United States
 PATENT ASSIGNEE(S): Igen, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5229272		19930720
APPLICATION INFO.:	US 1990-498225		19900323 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1989-343081, filed on 25 Apr 1989		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Patterson, Jr., Charles L.		
LEGAL REPRESENTATIVE:	Evans, Barry		
NUMBER OF CLAIMS:	77		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 14 Drawing Page(s)		
LINE COUNT:	2439		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L9 ANSWER 34 OF 67 USPATFULL

ACCESSION NUMBER: 93:12306 USPATFULL
 TITLE: Disinfectant with wide spectrum germicidal activity
 INVENTOR(S): Vallieres, Lucien, 3001 Sherbrooke W., Ste. G03,
 Montreal, Quebec, Canada H3Z 2X8

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5186946		19930216

APPLICATION INFO.: US 1992-841812 19920226 (7)
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Robinson, Allen J.
LEGAL REPRESENTATIVE: Lesperance, Pierre, Martineau, Francois
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
LINE COUNT: 423
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 35 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1993:522078 BIOSIS
DOCUMENT NUMBER: PREV199396135485
TITLE: Effect of culture pH on the extracellular production of 5-
aminolevulinic acid by Rhodobacter
sphaeroides from volatile fatty acids.
AUTHOR(S): Sasaki, K.; Tanaka, T.; Nishio, N.; Nagai, S.
CORPORATE SOURCE: Dep. Fermentation Technol., Fac. Eng., Hiroshima Univ.,
Kagamiyama 1-4-1, Higashi-Hiroshima 724 Japan
SOURCE: Biotechnology Letters, (1993) Vol. 15, No. 8, pp.
859-864.
ISSN: 0141-5492.
DOCUMENT TYPE: Article
LANGUAGE: English

L9 ANSWER 36 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 90180087 EMBASE
DOCUMENT NUMBER: 1990180087
TITLE: Isolation and characterization of a new mutant of
Saccharomyces cerevisiae with altered synthesis of 5-
aminolevulinic acid.
AUTHOR: Carvajal E.; Panek A.D.; Mattoon J.R.
CORPORATE SOURCE: Biotechnology Center, University of Colorado, Colorado
Springs, United States
SOURCE: Journal of Bacteriology, (1990) 172/6 (2855-2861).
ISSN: 0021-9193 CODEN: JOBAAY
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
LANGUAGE: English
SUMMARY LANGUAGE: English

L9 ANSWER 37 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1990:447939 BIOSIS
DOCUMENT NUMBER: BA90:98579
TITLE: USE OF A LYSINE OXIDASE ELECTRODE FOR LYSINE DETERMINATION
IN MAILLARD MODEL REACTIONS AND IN SOYBEAN MEAL
HYDROLYSATES.
AUTHOR(S): ASSOUMANI M B; NGUYEN N P; LARDINOIS P F; VAN BREE J;
BAUDICHAU A; BRUYER D C
CORPORATE SOURCE: SANDERS-LAB. BIOTECHOL., F.91200 ATHIS-MONS, FRANCE.
SOURCE: LEBENSM-WISS TECHNOL, (1990) 23 (4), 322-327.
CODEN: LBWTAP. ISSN: 0023-6438.
FILE SEGMENT: BA; OLD
LANGUAGE: English

L9 ANSWER 38 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 90079238 EMBASE
DOCUMENT NUMBER: 1990079238
TITLE: Characteristics of L-alanine:4,5-dioxovaleric acid

transaminase: An alternate pathway of heme biosynthesis in yeast.

AUTHOR: Hoare K.; Datta K.
 CORPORATE SOURCE: Sch. Environmental Sciences, Jawaharlal Nehru University, New Delhi-110067, India
 SOURCE: Archives of Biochemistry and Biophysics, (1990) 277/1 (122-129).
 ISSN: 0003-9861 CODEN: ABBIA4
 COUNTRY: United States
 DOCUMENT TYPE: Journal; Article
 FILE SEGMENT: 004 Microbiology
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L9 ANSWER 39 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 ACCESSION NUMBER: 1990:83658 BIOSIS
 DOCUMENT NUMBER: BR38:39248
 TITLE: REGULATORY ROLE OF 5 AMINOLEVULINIC ACID DEHYDRATASE IN THE DIMORPHIC FUNGUS MUCOR-ROUXII.
 AUTHOR(S): PAVETO C; PASSERON S; STELLA A M; BATLLE A M D C
 CORPORATE SOURCE: DEP. QUIM. BIOL., FAC. CIENCIAS EXACTAS NATURALES, UNIV. BUENOS AIRES, ARGENTINA.
 SOURCE: SYMPOSIUM ON A CENTURY OF PORPHYRIA, GLASGOW, SCOTLAND, UK,
 1989. MOL ASPECTS MED, (1990) 11 (1-2), 28.
 CODEN: MAMED5. ISSN: 0098-2997.
 DOCUMENT TYPE: Conference
 FILE SEGMENT: BR; OLD
 LANGUAGE: English

L9 ANSWER 40 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 ACCESSION NUMBER: 90048998 EMBASE
 DOCUMENT NUMBER: 1990048998
 TITLE: Heterologous expression of human 5-aminolevulinate dehydratase in Saccharomyces cerevisiae.
 AUTHOR: Schauer W.E.; Mattoon J.R.
 CORPORATE SOURCE: Biotechnology Center, University of Colorado, Colorado Springs, United States
 SOURCE: Current Genetics, (1990) 17/1 (1-6).
 ISSN: 0172-8083 CODEN: CUGED5
 COUNTRY: Germany
 DOCUMENT TYPE: Journal; Article
 FILE SEGMENT: 004 Microbiology
 022 Human Genetics
 029 Clinical Biochemistry
 LANGUAGE: English
 SUMMARY LANGUAGE: English

L9 ANSWER 41 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 ACCESSION NUMBER: 89266986 EMBASE
 DOCUMENT NUMBER: 1989266986
 TITLE: Structural discrimination in the sparking function of sterols in the yeast Saccharomyces cerevisiae.
 AUTHOR: Lorenz R.T.; Casey W.M.; Parks L.W.
 CORPORATE SOURCE: Department of Microbiology, North Carolina State University, Raleigh, NC 27695, United States
 SOURCE: Journal of Bacteriology, (1989) 171/11 (6169-6173).
 ISSN: 0021-9193 CODEN: JOBAAY
 COUNTRY: United States
 DOCUMENT TYPE: Journal

FILE SEGMENT: 004 Microbiology
LANGUAGE: English
SUMMARY LANGUAGE: English

L9 ANSWER 42 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1990:93333 BIOSIS

DOCUMENT NUMBER: BA89:52684

TITLE: REGULATORY ROLE OF DELTA **AMINOLEVULINIC**
ACID DEHYDRATASE IN THE DIMORPHIC **FUNGUS**
MUCOR-ROUXII.

AUTHOR(S): PAVETO C; PASSERON S; ATELLA A M; BATLLE A M D C
CORPORATE SOURCE: VIAMONTE 1881 10 A., 1056 BUENOS AIRES, ARGENTINA.
SOURCE: COMP BIOCHEM PHYSIOL B COMP BIOCHEM, (1989) 94 (4),
635-640.

CODEN: CBPBB8. ISSN: 0305-0491.

FILE SEGMENT: BA; OLD

LANGUAGE: English

L9 ANSWER 43 OF 67 USPATFULL

ACCESSION NUMBER: 88:80657 USPATFULL

TITLE: Fungicidal pyridazines

INVENTOR(S): Arnold, Wendell R., Carmel, IN, United States
Dow, William C., Hayward, CA, United States
Johnson, George W., Greenfield, IN, United States

PATENT ASSIGNEE(S): Eli Lilly and Company, Indianapolis, IN, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4791110		19881213
APPLICATION INFO.:	US 1986-859558		19860505 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1985-744722, filed on 14 Jun 1985, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Berch, Mark L.		
LEGAL REPRESENTATIVE:	Stuart, Donald R., Whitaker, Leroy, Jones, Joseph A.		
NUMBER OF CLAIMS:	45		
EXEMPLARY CLAIM:	1,16,26		
LINE COUNT:	3004		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 44 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 88144009 EMBASE

DOCUMENT NUMBER: 1988144009

TITLE: Effects of selective toxin from Helminthosporium carbonum
on chlorophyll synthesis in maize.

AUTHOR: Rasmussen J.B.; Scheffer R.P.

CORPORATE SOURCE: Department of Botany and Plant Pathology, Michigan State
University, East Lansing, MI 48824-1312, United States

SOURCE: PHYSIOL. MOL. PLANT PATHOL., (1988) 32/2 (283-291).
ISSN: 0885-5765 CODEN: PMPPEZ

COUNTRY: United Kingdom

DOCUMENT TYPE: Journal

FILE SEGMENT: 052 Toxicology

LANGUAGE: English

SUMMARY LANGUAGE: English

L9 ANSWER 45 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 87108575 EMBASE

DOCUMENT NUMBER: 1987108575
TITLE: Studies on the biosynthesis of antibiotics.
AUTHOR: Floss H.G.; Keller P.J.; Beale J.M.
CORPORATE SOURCE: Department of Chemistry, The Ohio State University,
Columbus, OH 43210, United States
SOURCE: Journal of Natural Products (Lloydia), (1986) 49/6
(957-970).
CODEN: JNPRDF
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 037 Drug Literature Index
LANGUAGE: English

L9 ANSWER 46 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 86070416 EMBASE
DOCUMENT NUMBER: 1986070416
TITLE: Biosynthesis of the antibiotic reductionomycin.
AUTHOR: Beale J.M.; Lee J.P.; Nakagawa A.; et al.
CORPORATE SOURCE: Department of Chemistry, The Ohio State University,
Columbus, OH 43210, United States
SOURCE: Journal of the American Chemical Society, (1986) 108/2
(331-332).
CODEN: JACSAT
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 037 Drug Literature Index
LANGUAGE: English

L9 ANSWER 47 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 85206724 EMBASE
DOCUMENT NUMBER: 1985206724
TITLE: Regulation by heme of the synthesis of cytochrome c
oxidase
subunits V and VII in yeast.
AUTHOR: Gollub E.G.; Dayan J.
CORPORATE SOURCE: Department of Biology, Barnard College, Columbia
University, NY, United States
SOURCE: Biochemical and Biophysical Research Communications,
(1985)
128/3 (1447-1454).
CODEN: BBRCA
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 004 Microbiology
LANGUAGE: English

L9 ANSWER 48 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 85147099 EMBASE
DOCUMENT NUMBER: 1985147099
TITLE: Biosynthesis of asukamycin. Formation of the
2-amino-3-hydroxycyclopent-2-enone moiety.
AUTHOR: Nakagawa A.; Wu T.-S.; Keller P.J.; et al.
CORPORATE SOURCE: Kitasato Institute, Kitasato University, Minato-ku, Tokyo
108, Japan
SOURCE: Journal of the Chemical Society - Series Chemical
Communications, (1985) NO. 8/- (519-521).
CODEN: JCCCAT
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal
FILE SEGMENT: 037 Drug Literature Index

LANGUAGE: English

L9 ANSWER 49 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 86117582 EMBASE

DOCUMENT NUMBER: 1986117582

TITLE: Heme-mediated effect of cAMP on mitochondriogenesis during glucose repression-derepression in *Saccharomyces cerevisiae*.

AUTHOR: Gopalan G.; Rajamanickam C.

CORPORATE SOURCE: Department of Biochemistry, School of Biological Sciences, Madurai Kamaraj University, Madurai 625 021, India

SOURCE: Indian Journal of Biochemistry and Biophysics, (1985) 22/4 (214-217).

CODEN: IJBBDQ

COUNTRY: India

DOCUMENT TYPE: Journal

FILE SEGMENT: 004 Microbiology

LANGUAGE: English

L9 ANSWER 50 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 85211735 EMBASE

DOCUMENT NUMBER: 1985211735

TITLE: Involvement of heme biosynthesis in control of sterol uptake by *Saccharomyces cerevisiae*.

AUTHOR: Lewis T.A.; Taylor F.R.; Parks L.W.

CORPORATE SOURCE: Department of Microbiology, Oregon State University, Corvallis, OR 97331, United States

SOURCE: Journal of Bacteriology, (1985) 163/1 (199-207).

CODEN: JOBAAY

COUNTRY: United States

DOCUMENT TYPE: Journal

FILE SEGMENT: 004 Microbiology

LANGUAGE: English

L9 ANSWER 51 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 84131366 EMBASE

DOCUMENT NUMBER: 1984131366

TITLE: Plasmid-mediated complementation of a *.DELTA.-aminolevulinic-acid*-requiring *Saccharomyces cerevisiae* mutant.

AUTHOR: Bard M.; Ingolia T.D.

CORPORATE SOURCE: Department of Biology, Indiana University-Purdue University

at Indianapolis, P.O. Box 647, Indianapolis, IN 46223, United States

SOURCE: Gene, (1984) 28/2 (195-199).

CODEN: GENED6

COUNTRY: Netherlands

DOCUMENT TYPE: Journal

FILE SEGMENT: 004 Microbiology

022 Human Genetics

LANGUAGE: English

L9 ANSWER 52 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 83123748 EMBASE

DOCUMENT NUMBER: 1983123748

TITLE: The biosynthesis of antibiotic A23187.

AUTHOR: Zmijewski Jr. M.J.; Wong R.; Paschal J.W.; Dorman D.E.

CORPORATE SOURCE: Dep. Med. Chem., Coll. Pharm., Univ. Utah, Salt Lake City, UT 84112, United States

SOURCE: Tetrahedron, (1983) 39/8 (1255-1263).
CODEN: TETRAB
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal
FILE SEGMENT: 037 Drug Literature Index
LANGUAGE: English

L9 ANSWER 53 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 84078544 EMBASE
DOCUMENT NUMBER: 1984078544
TITLE: Cloning of the .delta.-aminolevulinic
acid synthase structural gene in yeast.
AUTHOR: Arrese M.; Carvajal E.; Robison S.; et al.
CORPORATE SOURCE: Department of Biology, College of Letters, Arts and
Sciences, University of Colorado, Colorado Springs, CO
80907, United States

SOURCE: Current Genetics, (1983) 7/3 (175-183).
CODEN: CUGED5

COUNTRY: Germany
DOCUMENT TYPE: Journal
FILE SEGMENT: 022 Human Genetics
004 Microbiology
LANGUAGE: English

L9 ANSWER 54 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 84002309 EMBASE
DOCUMENT NUMBER: 1984002309
TITLE: In situ assay for 5-aminolevulinate dehydratase and
application to the study of a catabolite
repression-resistant Saccharomyces cerevisiae mutant.
AUTHOR: Borralho L.M.; Panek A.D.; Malamud D.R.; et al.
CORPORATE SOURCE: Inst. Chem., Fed. Univ. Rio de Janeiro, Rio de Janeiro,
Brazil

SOURCE: Journal of Bacteriology, (1983) 156/1 (141-147).
CODEN: JOBAAY

COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 004 Microbiology
LANGUAGE: English

L9 ANSWER 55 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 83018535 EMBASE
DOCUMENT NUMBER: 1983018535
TITLE: Biochemical characterization of the OXI mutants of the
yeast Saccharomyces cerevisiae.
AUTHOR: Keyhani E.; Keyhani J.
CORPORATE SOURCE: Lab. Cell Biol. Biochem., Inst. Biochem. Biophys., Univ.
Tehran, Tehran, Iran (Islamic Republic of)

SOURCE: Biochimica et Biophysica Acta, (1982) 717/2 (355-368).
CODEN: BBACAQ

COUNTRY: Netherlands
DOCUMENT TYPE: Journal
FILE SEGMENT: 004 Microbiology
LANGUAGE: English

L9 ANSWER 56 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 82002273 EMBASE
DOCUMENT NUMBER: 1982002273
TITLE: Mechanism of thiamine-induced respiratory deficiency in
Saccharomyces carlsbergensis.

AUTHOR: Nakamura I.; Isobe N.; Nakamura N.; et al.
CORPORATE SOURCE: Lab. Industr. Biochem., Dept. Industr. Chem., Fac. Engin.,
Kyoto Univ., Kyoto, Japan
SOURCE: Journal of Bacteriology, (1981) 147/3 (954-961).
CODEN: JOBAAY
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 037 Drug Literature Index
004 Microbiology
LANGUAGE: English

L9 ANSWER 57 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 82088163 EMBASE
DOCUMENT NUMBER: 1982088163
TITLE: Regulation of vitamin B12 and bacteriochlorophyll
biosynthesis in a facultative methylotroph,
Protaminobacter

ruberrubus.
AUTHOR: Sato K.; Ishida K.; Kuno T.; et al.
CORPORATE SOURCE: Dept. Food Sci. Technol., Nagoya Univ., Nagoya 464, Japan
SOURCE: Journal of Nutritional Science and Vitaminology, (1981)
27/5 (439-447).
CODEN: JNSVA5
COUNTRY: Japan
DOCUMENT TYPE: Journal
FILE SEGMENT: 037 Drug Literature Index
LANGUAGE: English

L9 ANSWER 58 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 81022143 EMBASE
DOCUMENT NUMBER: 1981022143
TITLE: The effect of .delta.-aminolevulinate on catalase
T-messenger RNA levels in .delta.-aminolevulinate
synthase-defective mutants of Saccharomyces cerevisiae.
AUTHOR: Richter K.; Ammerer G.; Hartter E.; Ruis H.
CORPORATE SOURCE: Inst. Allg. Biochem., Univ. Wien, Austria
SOURCE: Journal of Biological Chemistry, (1980) 255/17
(8019-8022).
CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 004 Microbiology
LANGUAGE: English

L9 ANSWER 59 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 78315207 EMBASE
DOCUMENT NUMBER: 1978315207
TITLE: Fatty acid and complex lipid composition of a
Saccharomyces
cerevisiae mutant unable to synthesize .delta.-
aminolevulinic acid.
AUTHOR: Mudd J.B.; Saltzgaber-Mueller J.
CORPORATE SOURCE: Dept. Biochem., Univ. California., Riverside, Calif.
92521,
United States
SOURCE: Archives of Biochemistry and Biophysics, (1978) 186/2
(359-364).
CODEN: ABBIA4
COUNTRY: United States
DOCUMENT TYPE: Journal

FILE SEGMENT: 029 Clinical Biochemistry
004 Microbiology
LANGUAGE: English

L9 ANSWER 60 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 78317389 EMBASE
DOCUMENT NUMBER: 1978317389
TITLE: Labelled acetone and **levulinic** acid are formed
when [14C]acetate is being converted to mycophenolic acid
in Penicillium brevicompactum.
AUTHOR: Nulton C.P.; Campbell I.M.
CORPORATE SOURCE: Dept. Life Sci., Fac. Arts Sci., Univ. Pittsburgh, Pa.
15261, United States
SOURCE: Canadian Journal of Microbiology, (1978) 24/2 (199-201).
CODEN: CJMIAZ
COUNTRY: Canada
DOCUMENT TYPE: Journal
FILE SEGMENT: 004 Microbiology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: French

L9 ANSWER 61 OF 67 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 78018930 EMBASE
DOCUMENT NUMBER: 1978018930
TITLE: Mitochondrial biogenesis during fungal spore germination:
respiratory cytochromes of dormant and germinating spores
of Botryodiplodia.
AUTHOR: Brambl R.; Josephson M.
CORPORATE SOURCE: Dept. Plant Pathol., Univ. Minnesota, St Paul, Minn.
55108,
United States
SOURCE: Journal of Bacteriology, (1977) 129/1 (291-297).
CODEN: JOBAAY
DOCUMENT TYPE: Journal
FILE SEGMENT: 004 Microbiology
LANGUAGE: English

L9 ANSWER 62 OF 67 USPATFULL
ACCESSION NUMBER: 75:54624 USPATFULL
TITLE: Process for producing a protein hydrolysate
INVENTOR(S): Yokotsuka, Tamotsu, Nagareyama, Japan
Iwaasa, Takashi, Noda, Japan
Fujii, Mitsuharu, Noda, Japan
PATENT ASSIGNEE(S): Kikkoman Shoyu Co., Ltd., Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3912822		19751014
APPLICATION INFO.:	US 1974-491487		19740724 (5)
RELATED APPLN. INFO.:	Division of Ser. No. US 1973-345455, filed on 27 Mar 1973, now patented, Pat. No. US 3852479 which is a continuation-in-part of Ser. No. US 1970-102878, filed on 30 Dec 1970, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Shapiro, Lionel M.		
ASSISTANT EXAMINER:	Warden, Robert J.		
LEGAL REPRESENTATIVE:	Cushman, Darby & Cushman		
NUMBER OF CLAIMS:	1		

EXEMPLARY CLAIM: 1
LINE COUNT: 617
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 63 OF 67 USPATFULL
ACCESSION NUMBER: 74:56614 USPATFULL
TITLE: PROCESS FOR PRODUCING A PROTEIN HYDROLYSATE
INVENTOR(S): Yokotsuka, Tamotsu, Nagareyama, Japan
Iwaasa, Takashi, Noda, Japan
Fujii, Mitsuharu, Noda, Japan
PATENT ASSIGNEE(S): Kikkoman Shoyu Co., Ltd., Noda, Noda-shi, Japan
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3852479		19741203
APPLICATION INFO.:	US 1973-345455		19730327 (5)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1970-102878, filed on 30 Dec 1970, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Monacell, A. Louis		
ASSISTANT EXAMINER:	Warden, Robert J.		
LEGAL REPRESENTATIVE:	Cushman, Darby & Cushman		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
LINE COUNT:	653		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 64 OF 67 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1972:128998 BIOSIS
DOCUMENT NUMBER: BA53:28998
TITLE: ON EFFECTING PORPHYRIN METABOLISM BY GRISEOFULVIN PART 1
BIOCHEMICAL BASES.
AUTHOR(S): FIEDLER H
SOURCE: DERMATOL MONATSSCHR, (1971) 157 (2), 79-87.
CODEN: DMONBP. ISSN: 0011-9083.
FILE SEGMENT: BA; OLD
LANGUAGE: Unavailable

L9 ANSWER 65 OF 67 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1970:118667 CAPLUS
DOCUMENT NUMBER: 72:118667
TITLE: Induction of dimorphism in the basidiomycete Lenzites
saepiaria
AUTHOR(S): Scheld, H. W.; Perry, J. J.
CORPORATE SOURCE: Dep. of Microbiol., North Carolina State Univ.,
Raleigh, N. C., USA
SOURCE: J. Bacteriol. (1970), 102(1), 271-7
CODEN: JOBAAY
DOCUMENT TYPE: Journal
LANGUAGE: English

L9 ANSWER 66 OF 67 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1970:63482 CAPLUS
DOCUMENT NUMBER: 72:63482
TITLE: Interference by carbohydrate and other substances in
the estimation of protein with the Folin-Ciocalteu
reagent
AUTHOR(S): Bonitati, James P.; Elliott, Willard Buford; Miles,
P.

E1 1553 --> onychomycosis/CT
HNTE Creation date 01 JUL 19: 79
E2 0 UF mycosis,nail/CT
E3 0 UF nail mycosis/CT
E4 0 UF nail,fungal infection/CT
E5 0 UF onychomycoses/CT
E6 0 UF onychromycosis/CT
E7 0 UF tinea linguinum/CT
E8 0 UF tinea unguium/CT
E9 0 UF tinia unguium/CT
E10 1641 RMN C2.810.800.20.440./CT
E11 8506 RMN C2.810.810.20./CT
E12 8506 RMN C6.440.585.210./CT
E13 8987 RMN C6.440.810.20./CT
***** END***